

Tourette's syndrome treatment

Medical therapy has focused on blocking dopamine receptors, central adrenergic receptors, or on catecholamine depleting agents. ¹⁾ Surgical targets for [Tourette's syndrome](#) have included the frontal lobes, the cingulate gyrus, the anterior limb of the internal capsule (ALIC), the limbic system, and the subthalamic [zona incerta](#). ²⁾ Current targets of interest for DBS include: GPi, STN, ALIC, and thalamus. Early results have been promising. ³⁾

[Deep brain stimulation](#) (DBS) in patients with severe, refractory [Tourette syndrome](#) (TS) has demonstrated promising but variable results thus far. The [thalamus](#) and anteromedial [globus pallidus internus](#) (amGPi) have been the most commonly stimulated sites within the cortico-striato thalamic circuit, but an optimal target is yet to be elucidated.

see [Globus Pallidus Internus Deep Brain Stimulation for Tourette's syndrome](#).

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Leckman JF. Tourette's syndrome. Lancet. 2002; 360:1577-1586

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Temel Y, Visser-Vandewalle V. Surgery in Tourette syndrome. Mov Disord. 2004; 19:3-14

³⁾

Martinez-Fernandez R, Zrinzo L, Aviles-Olmos I, et al. Deep brain stimulation for Gilles de la Tourette syndrome: a case series targeting subregions of the globus pallidus internus. Mov Disord. 2011; 26:1922-1930

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